

FIG.3A

120 PASSWORD TABLE

MEMORY CARD NUMBER	AUTHENTICATION PASSWORD	} 121
20	PW_0	
21	PW_1	
⋮	⋮	

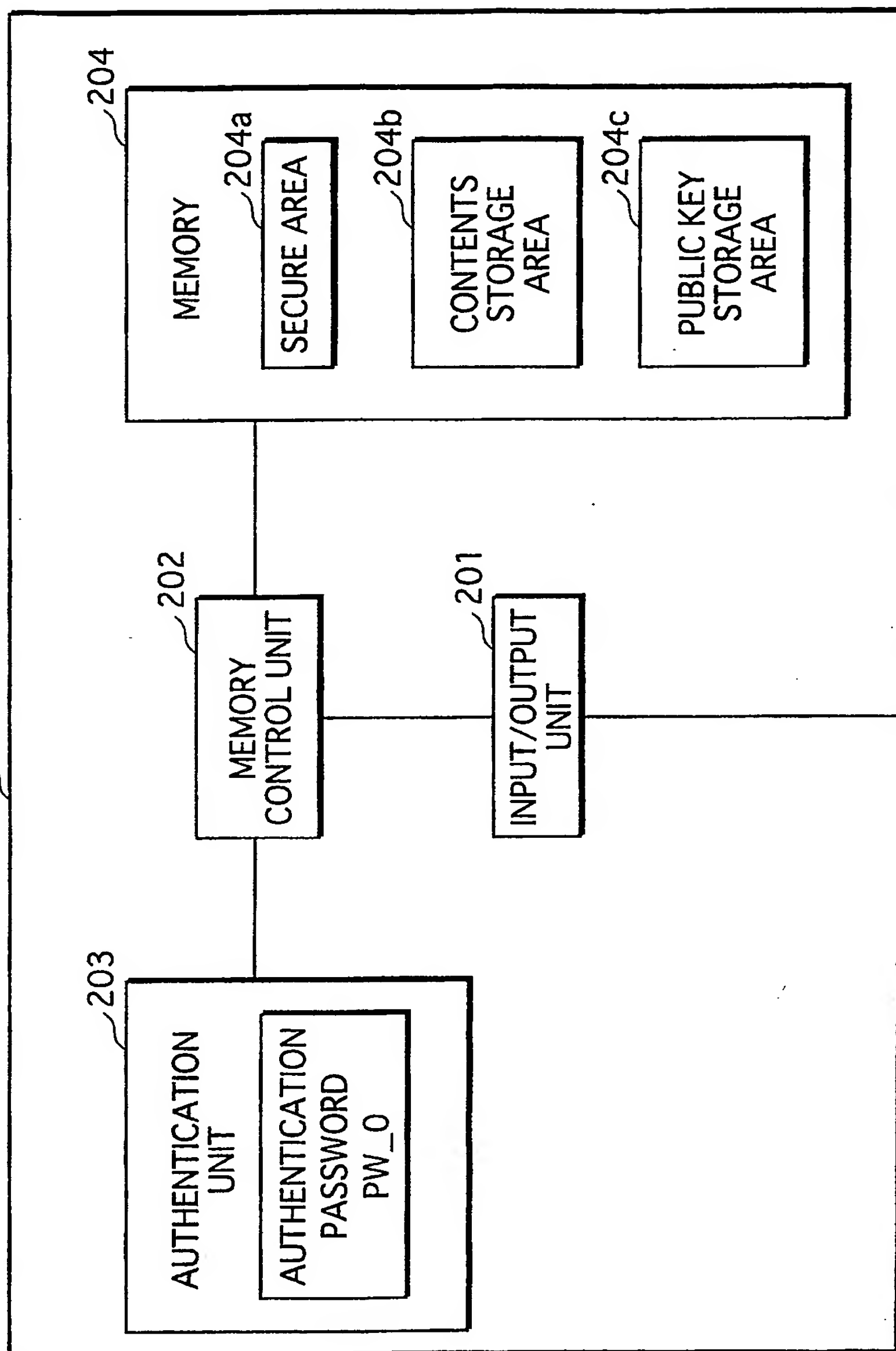
FIG.3B

130 CRL

IDS OF INVALIDATED DEVICES
ID_0012
ID_0058
ID_0379
⋮

FIG. 4

20 MEMORY CARD



MEMORY CARD INPUT/OUTPUT UNIT 105  
OF THE TERMINAL DEVICE 10

FIG. 5

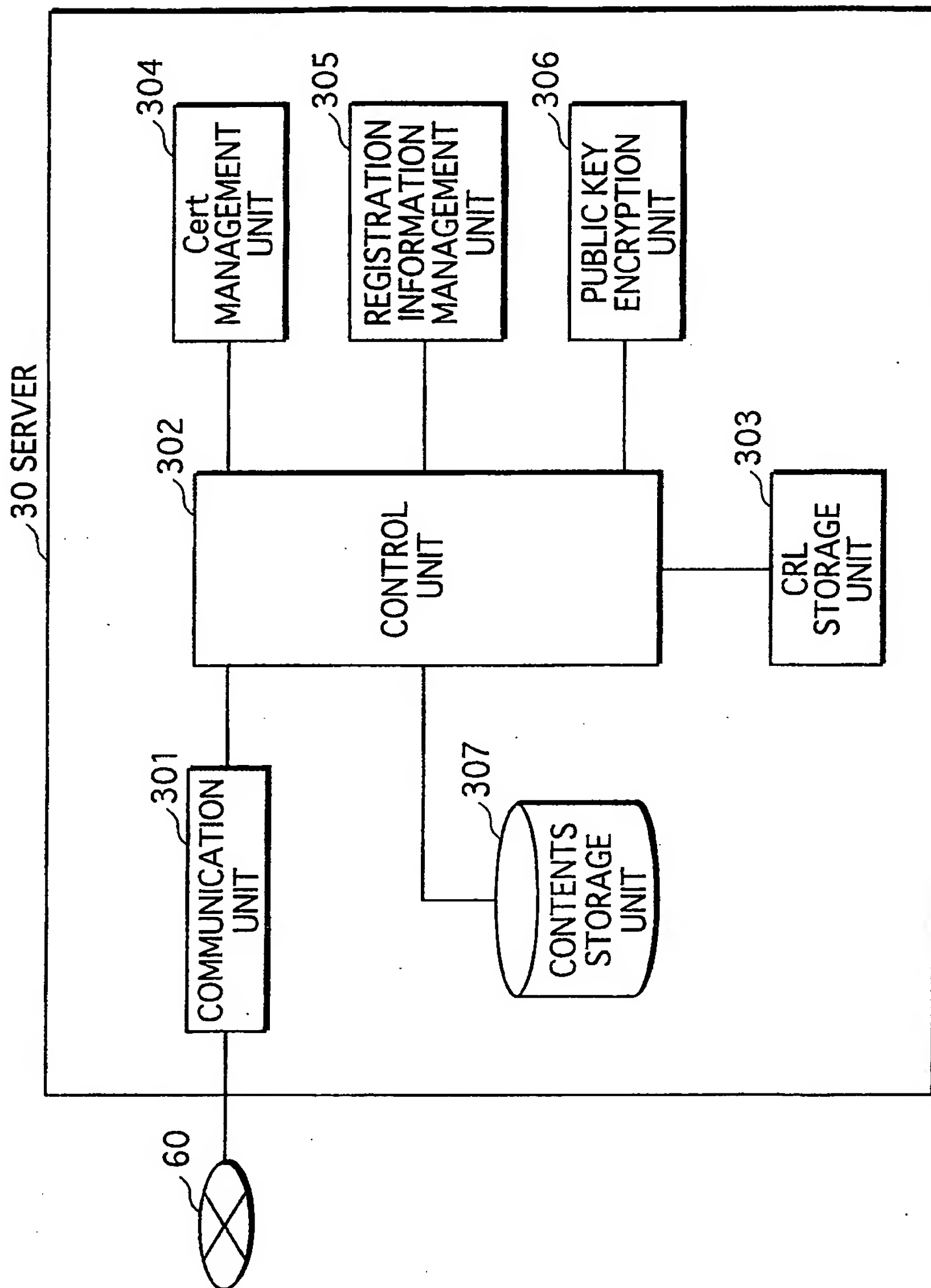


FIG. 6

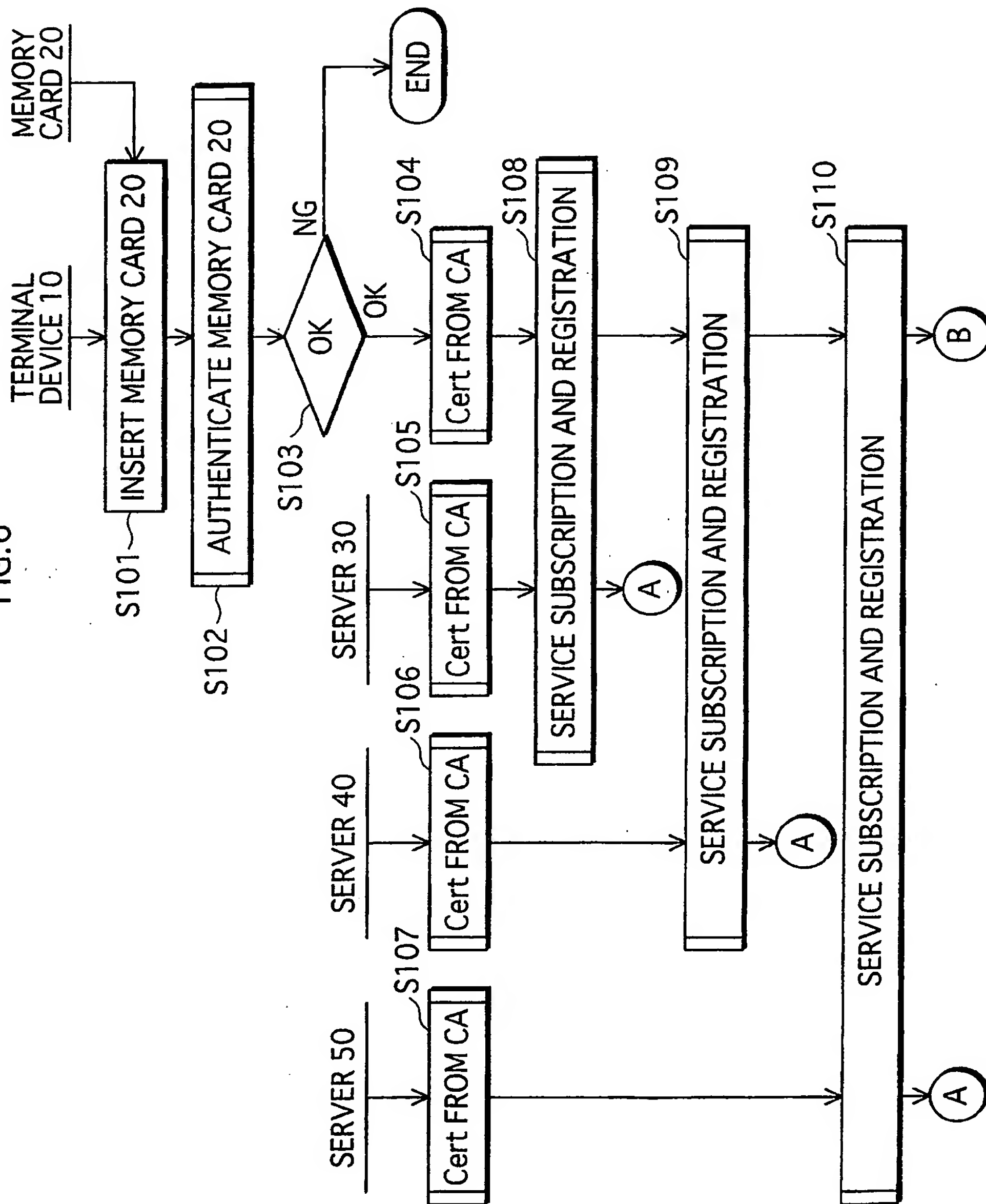


FIG.7

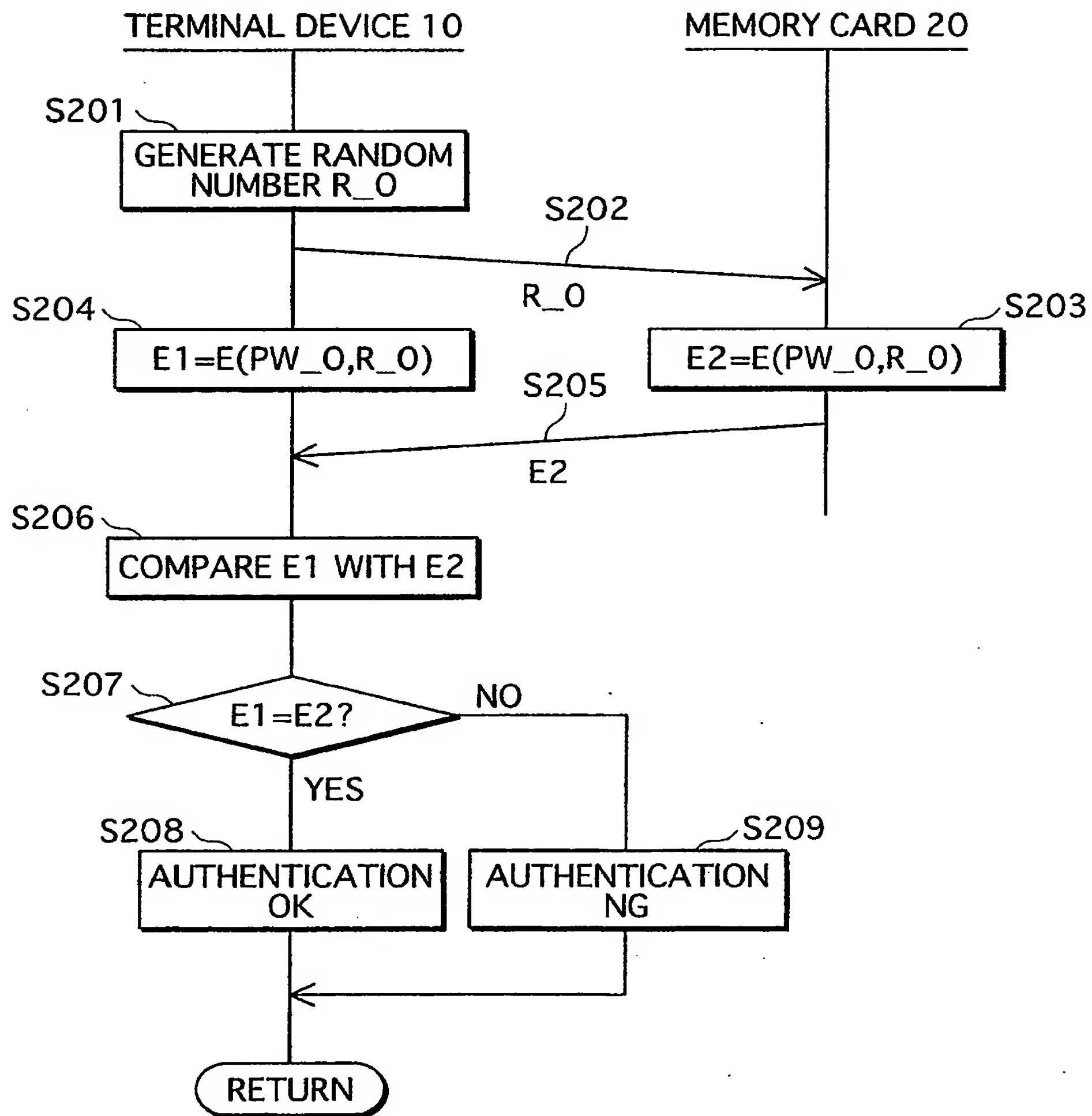


FIG.8

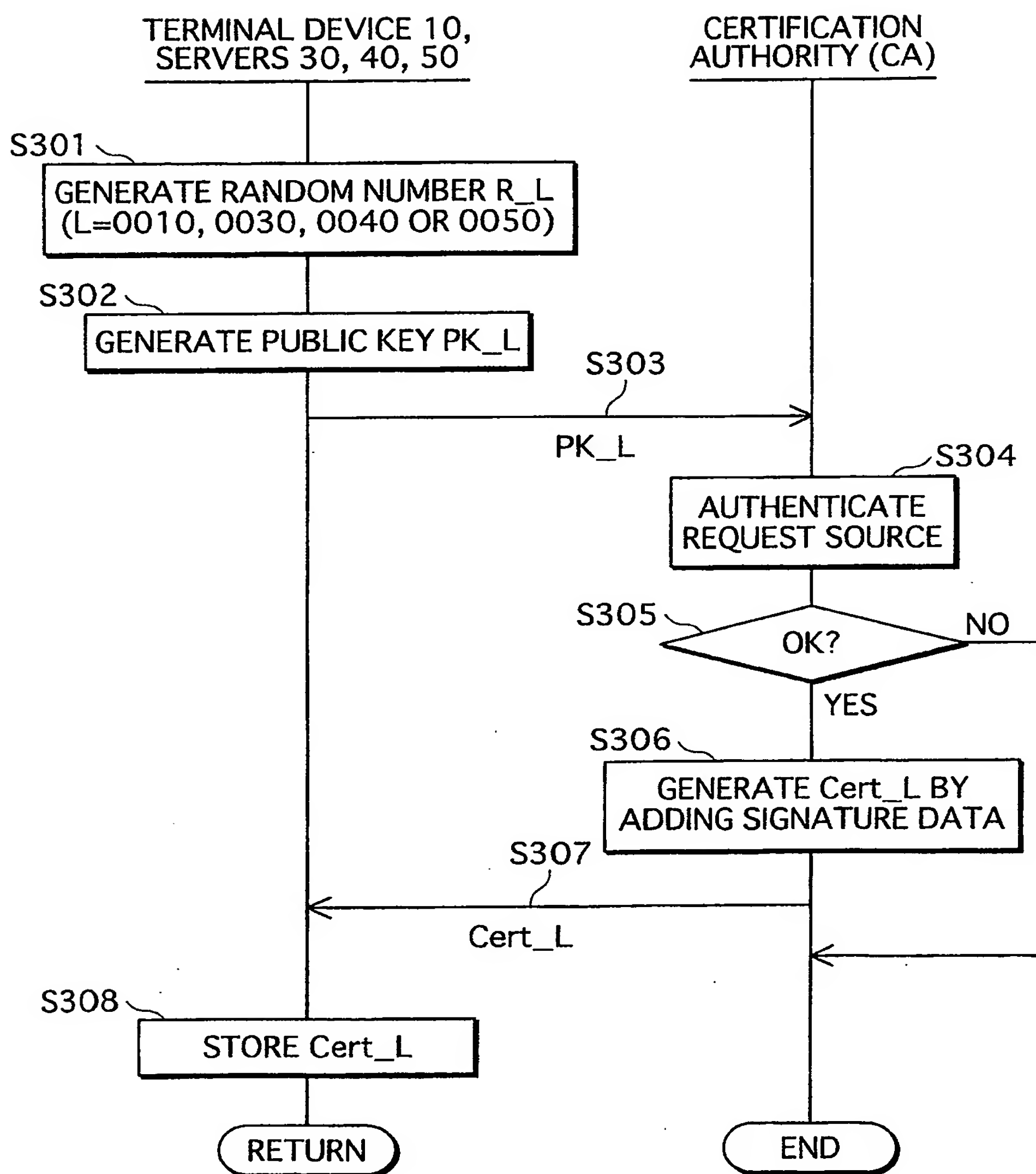




FIG.9A PUBLIC KEY CERTIFICATION OF  
TERMINAL DEVICE 10 ISSUED BY CA

ID_0010	↙ 140 Cert_0010
PK_0010	
Sig_0010CA	

FIG.9B PUBLIC KEY CERTIFICATION OF  
SERVER 30 ISSUED BY CA

ID_0030	↙ 150 Cert_0030
PK_0030	
Sig_0030CA	

FIG.9C PUBLIC KEY CERTIFICATION OF  
SERVER 40 ISSUED BY CA

ID_0040	↙ 160 Cert_0040
PK_0040	
Sig_0040CA	

FIG.9D PUBLIC KEY CERTIFICATION OF  
SERVER 50 ISSUED BY CA

ID_0050	↙ 170 Cert_0050
PK_0050	
Sig_0050CA	

FIG. 10

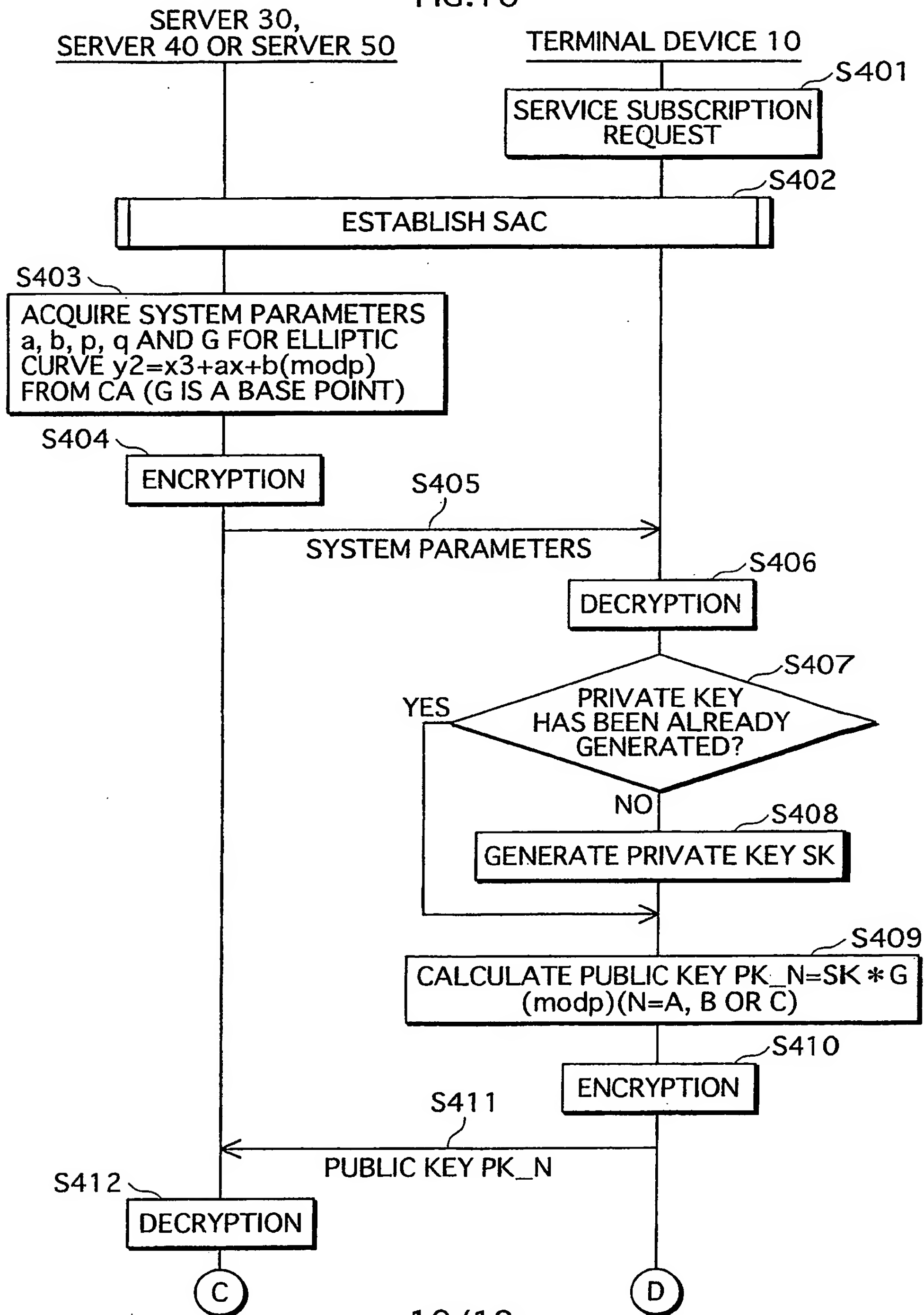


FIG. 11

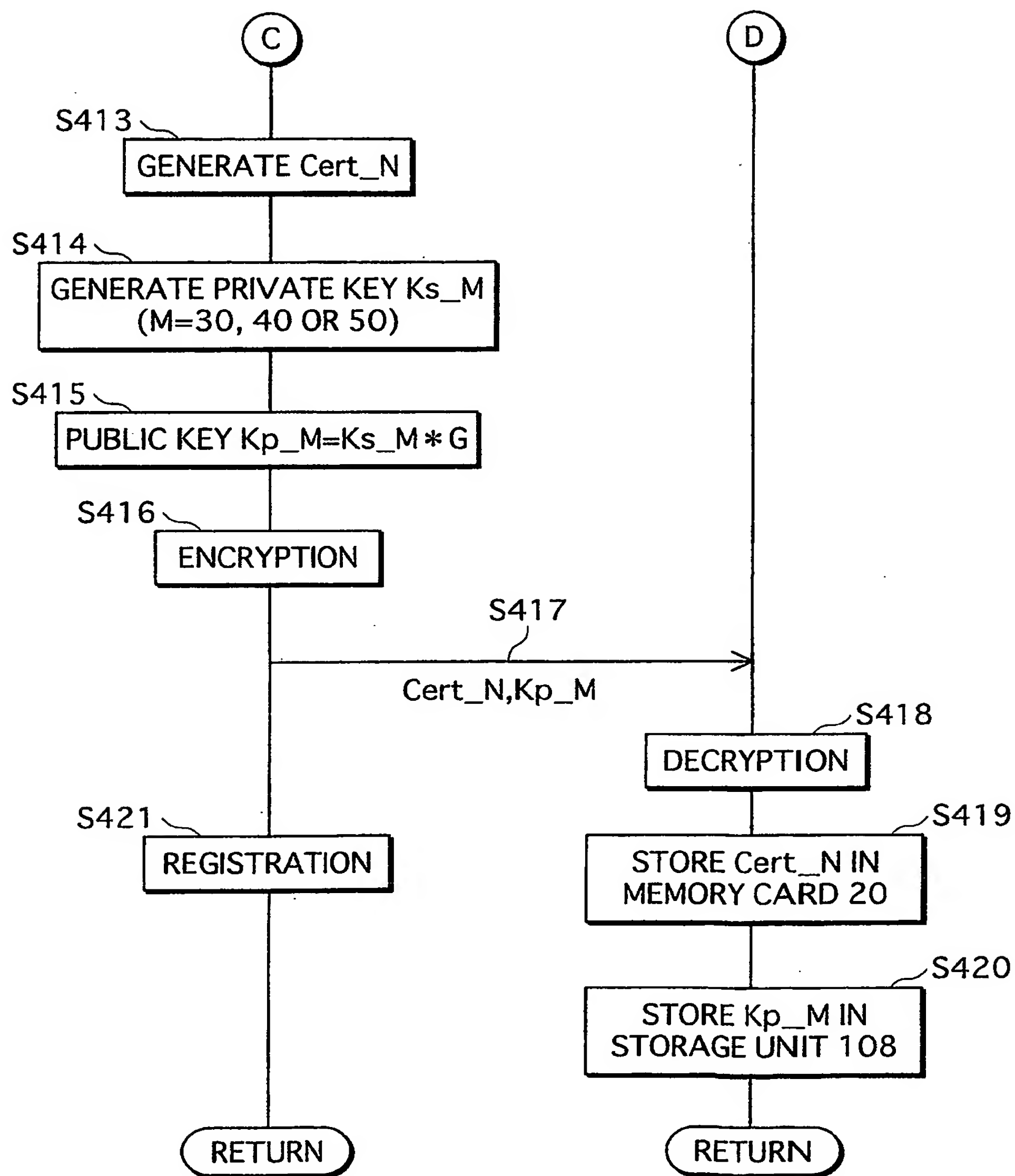


FIG.1 2A PUBLIC KEY CERTIFICATION ISSUED BY SERVER 30

SERVICE ID	SID_0123A
MEMBERSHIP NUMBER	NO_0001
PUBLIC KEY	PK_A
SIGNATURE DATA	Sig_A

210 Cert\_A

FIG.1 2B PUBLIC KEY CERTIFICATION ISSUED BY SERVER 40

SERVICE ID	SID_0321B
MEMBERSHIP NUMBER	NO_0025
PUBLIC KEY	PK_B
SIGNATURE DATA	Sig_B

220 Cert\_B

FIG.1 2C PUBLIC KEY CERTIFICATION ISSUED BY SERVER 50

SERVICE ID	SID_0132C
MEMBERSHIP NUMBER	NO_3215
PUBLIC KEY	PK_C
SIGNATURE DATA	Sig_C

230 Cert\_C

FIG. 13

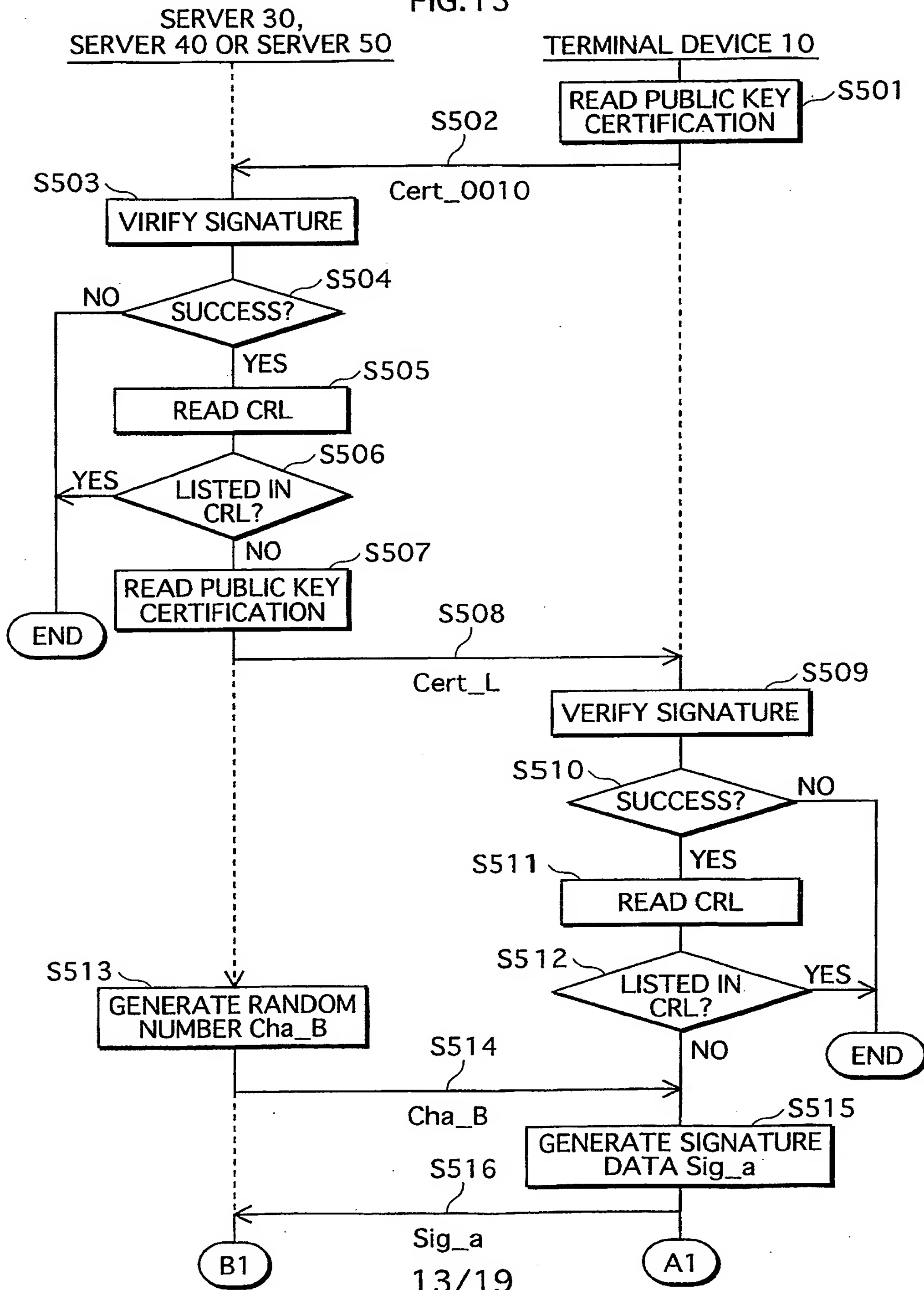


FIG. 14

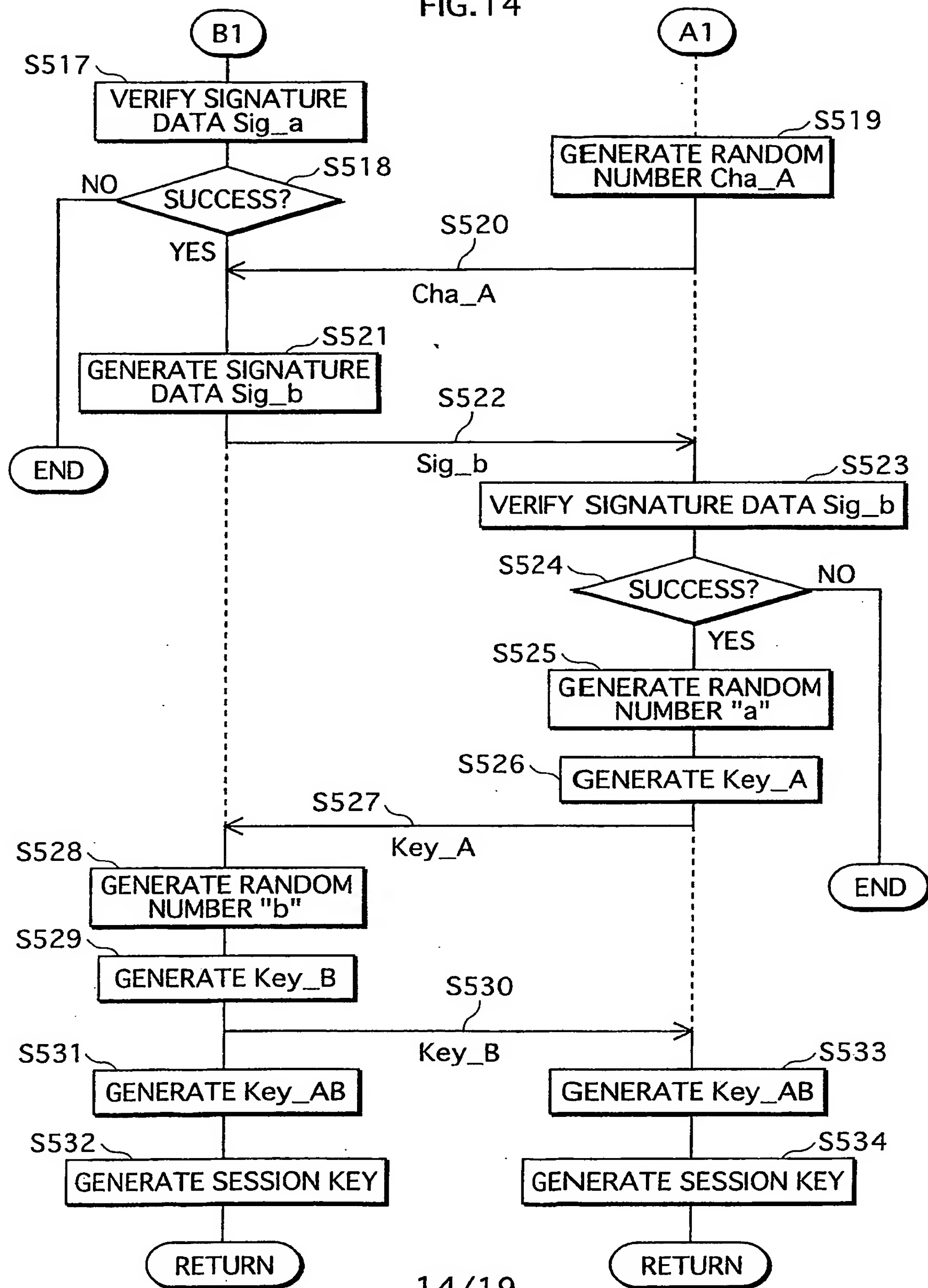


FIG. 15

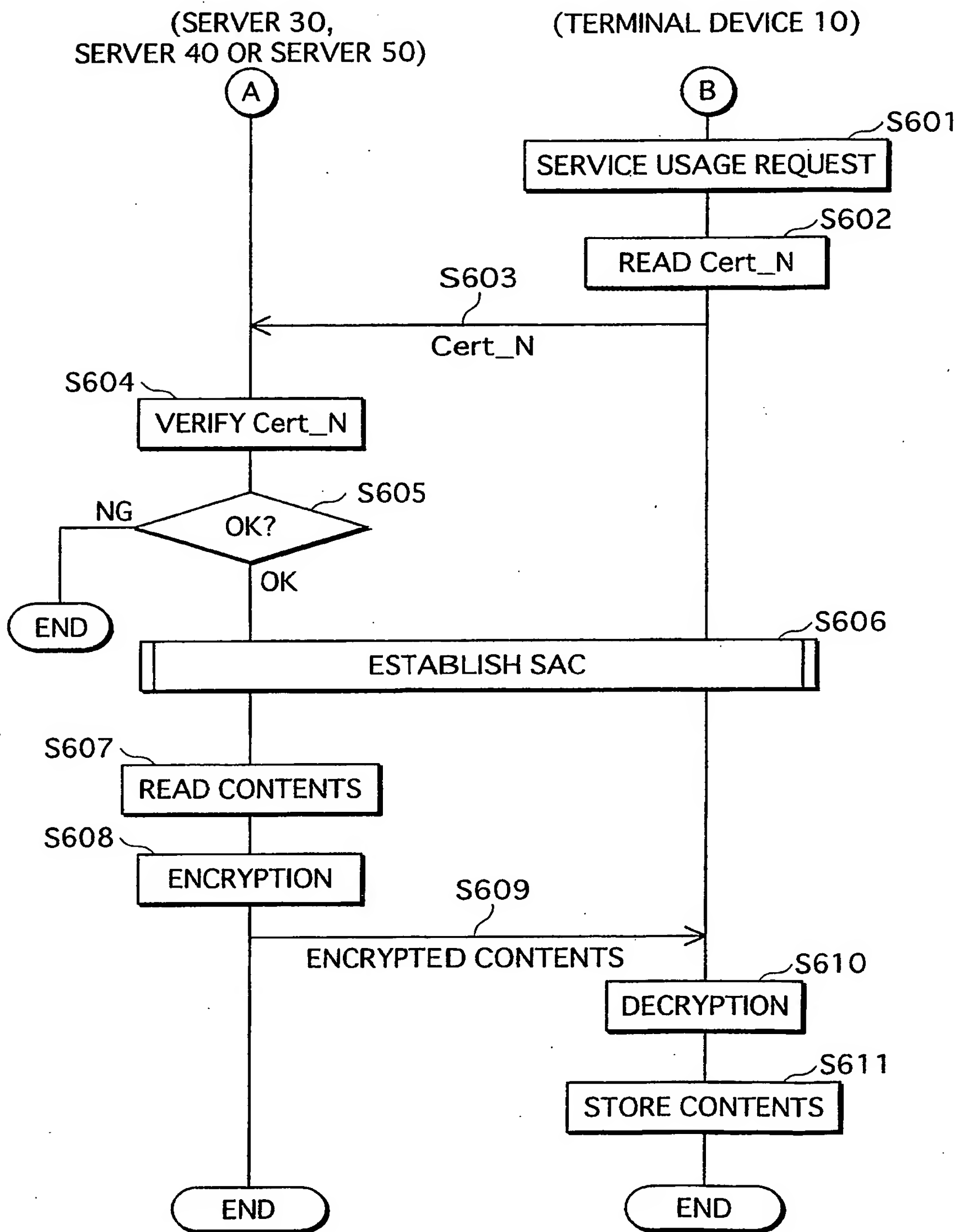


FIG. 16

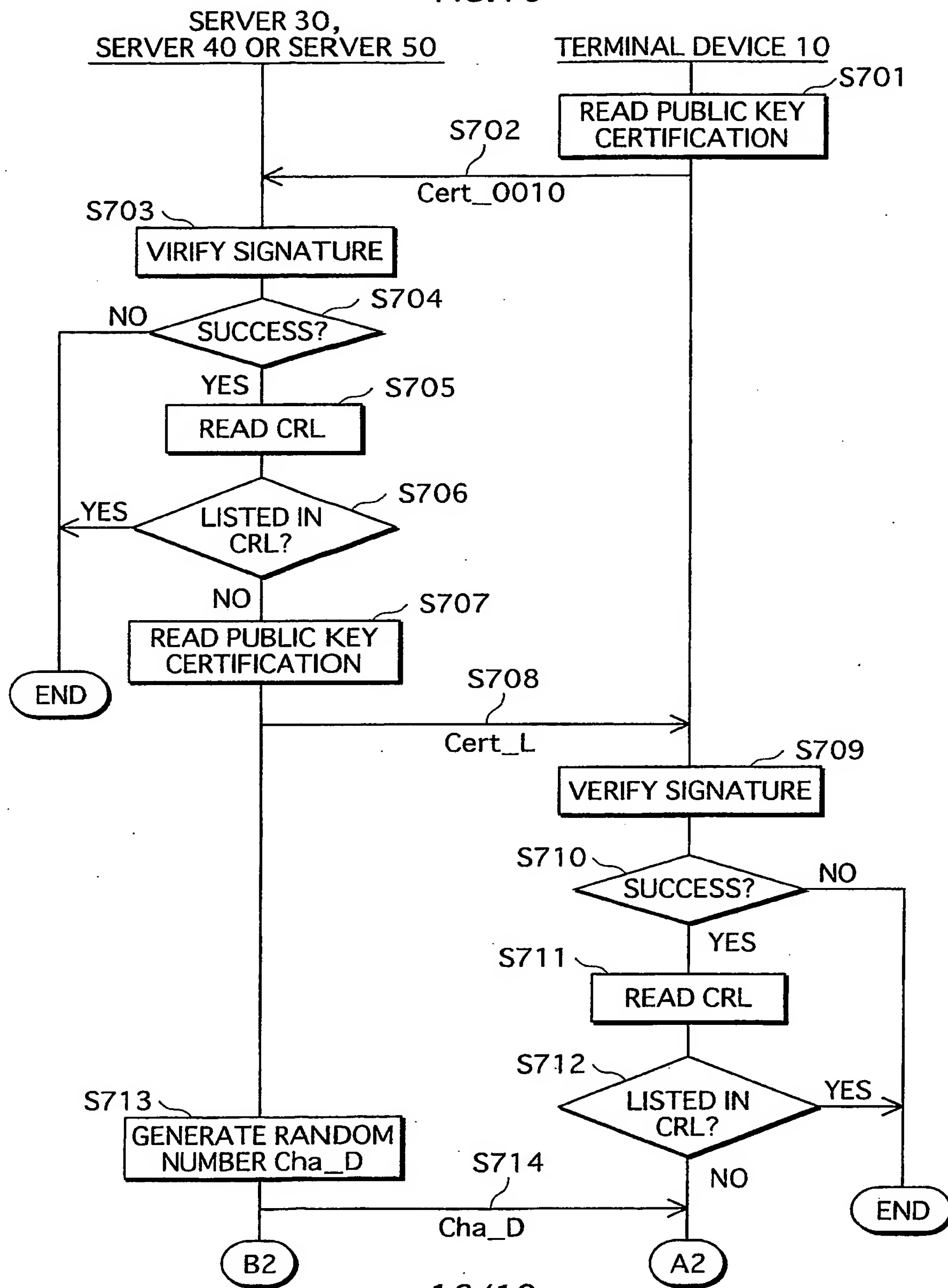




FIG.17

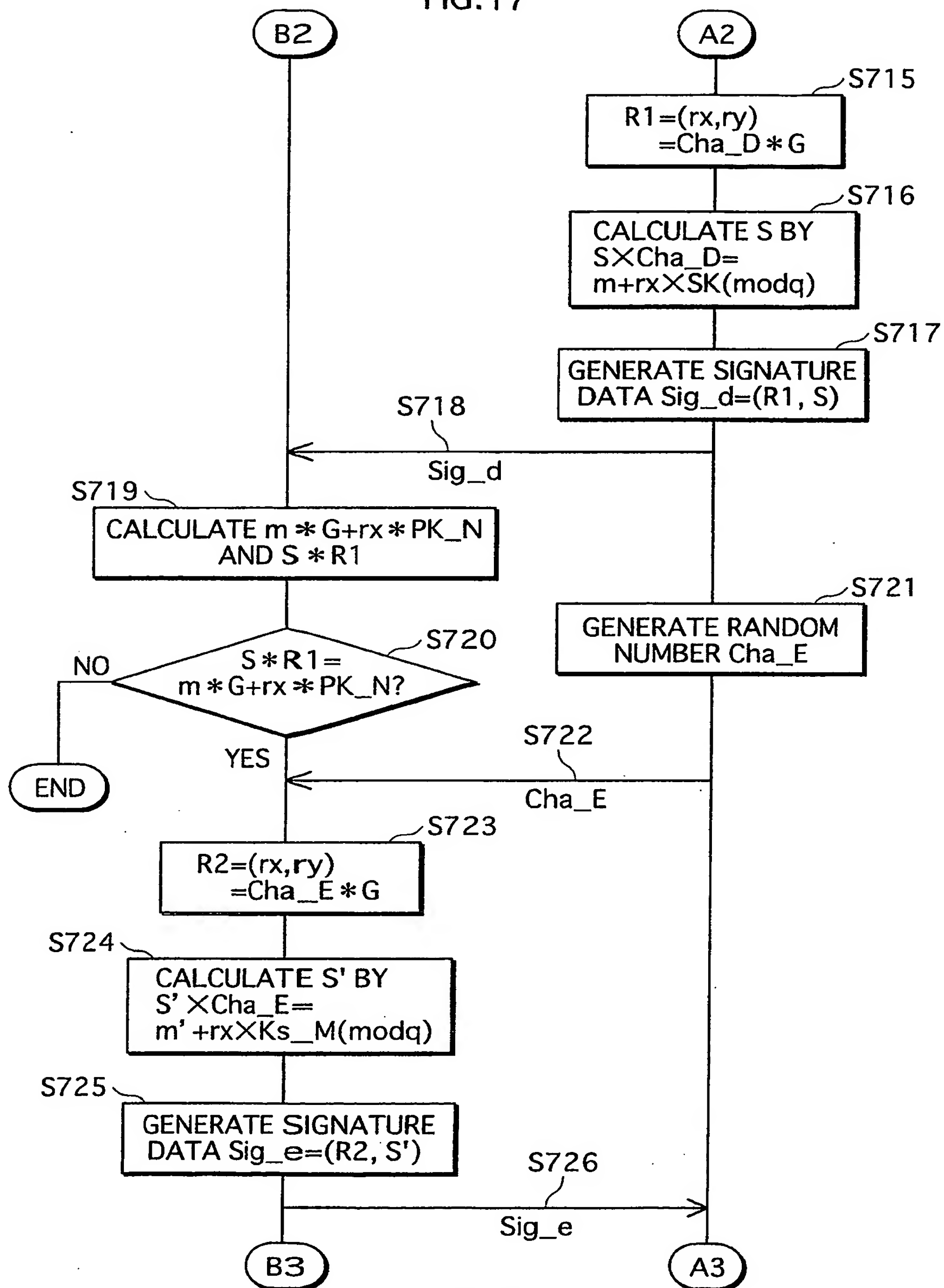


FIG.18

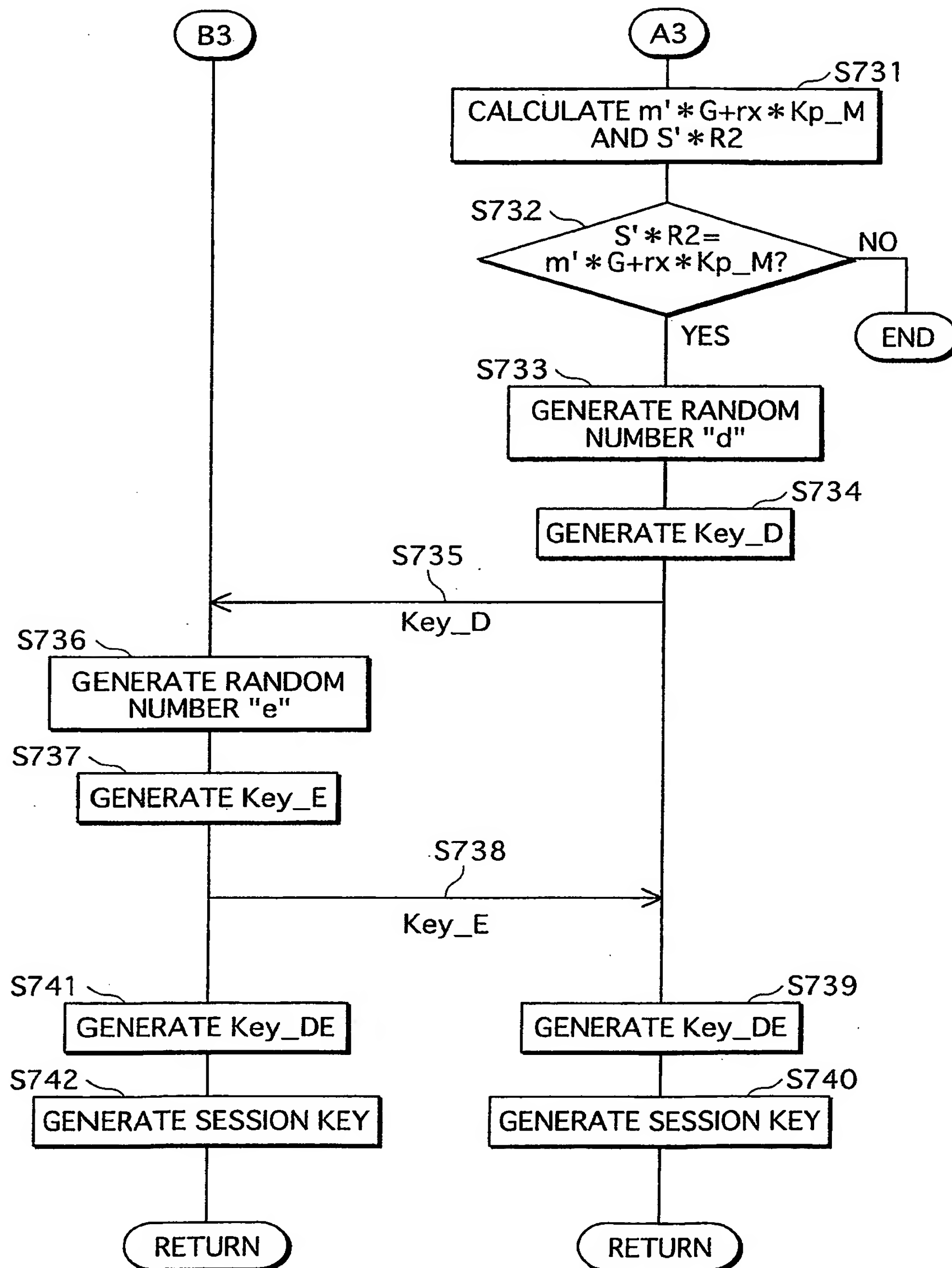


FIG.19

